

## Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

### ***Counties with Published Soil Surveys***

Technical soil descriptions are located in the county soil survey descriptive legend.

### ***Counties without Published Soil Surveys***

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

*This section includes:*

- (a) **Classification of the soils**

Cape Girardeau, Mississippi and Scott Counties, Missouri  
 Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Adler-----	Coarse-silty, mixed, nonacid, thermic Aquic Udifluvents
*Allemands-----	Clayey, montmorillonitic, euic, thermic Terric Medisaprists
Alligator-----	Very-fine, smectitic, thermic Chromic Dystrusterts
Beulah-----	Coarse-loamy, mixed, active, thermic Typic Dystrochrepts
Bosket-----	Fine-loamy, mixed, active, thermic Mollic Hapludalfs
Bowdre-----	Clayey over loamy, montmorillonitic, thermic Fluvaquentic Hapludolls
Broseley-----	Loamy, mixed, thermic Arenic Hapludalfs
Bucklick-----	Fine, mixed, active, mesic Typic Hapludalfs
Cairo-----	Clayey over sandy or sandy-skeletal, montmorillonitic, thermic Vertic Endoaquolls
*Caruthersville-----	Coarse-silty, mixed (calcareous), thermic Typic Udifluvents
*Clana-----	Mixed, thermic Aquic Udipsammets
Clarksville-----	Loamy-skeletal, siliceous, semiactive, mesic Typic Paleudults
Commerce-----	Fine-silty, mixed, nonacid, thermic Aeric Fluvaquents
Cooter-----	Clayey over sandy or sandy-skeletal, montmorillonitic, thermic Fluvaquentic Hapludolls
Crevasse-----	Mixed, thermic Typic Udipsammets
Diehlstadt-----	Sandy, mixed, thermic Typic Haplaquolls
Dubbs-----	Fine-silty, mixed, active, thermic Typic Hapludalfs
Dundee-----	Fine-silty, mixed, active, thermic Aeric Ochraqualfs
Elsah-----	Loamy-skeletal, mixed, nonacid, mesic Typic Udifluvents
Falaya-----	Coarse-silty, mixed, acid, thermic Aeric Fluvaquents
Farrenburg-----	Fine-loamy, mixed, thermic Aquic Hapludalfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Holstein-----	Fine-loamy, mixed, mesic Typic Paleudalfs
Iva-----	Fine-silty, mixed, mesic Aeric Endoaqualfs
Jackport-----	Very-fine, smectitic, thermic Chromic Epiaquerts
Lilbourn-----	Coarse-loamy, mixed, nonacid, thermic Aeric Fluvaquents
Malden-----	Mixed, thermic Typic Udipsammets
Memphis-----	Fine-silty, mixed, thermic Typic Hapludalfs
Menfro-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Mhoon-----	Fine-silty, mixed, nonacid, thermic Typic Fluvaquents
Peridge-----	Fine-silty, mixed, mesic Typic Paleudalfs
Poynor-----	Loamy-skeletal over clayey, siliceous, semiactive, mesic Typic Paleudults

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Soil name	Family or higher taxonomic class
Reelfoot-----	Fine-silty, mixed, thermic Aquic Argiudolls
Roellen-----	Fine, montmorillonitic, thermic Vertic Epiaquolls
Saffell-----	Loamy-skeletal, siliceous, thermic Typic Hapludults
Scotco-----	Siliceous, thermic Typic Udipsammments
Sharkey-----	Very-fine, montmorillonitic, nonacid, thermic Vertic Haplaquepts
Sikeston-----	Fine-loamy, mixed, thermic Cumulic Haplaquolls
Steele-----	Sandy over clayey, mixed, nonacid, thermic Aquic Udifluvents
Tiptonville-----	Fine-silty, mixed, thermic Oxyaquaic Argiudolls
Towosahgy-----	Fine-loamy over sandy or sandy-skeletal, mixed, thermic Typic Hapludolls
Tunica-----	Clayey over loamy, montmorillonitic, nonacid, thermic Vertic Haplaquepts
Wakeland-----	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents
Wardell-----	Fine-loamy, mixed, thermic Mollic Ochraqualfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts